



# DATASHEET

## TECO IE3 FLAMEPROOF (EXD) TEFC

MOTOR SERIES	TECO IE3 FLAMEPROOF (EXD) TEFC	
START METHOD		DIRECT ON LINE
KW RATING		2.2
VOLTAGE	(V)	415
PHASES		3
FREQUENCY	(Hz)	50
NO OF POLES		2
FRAME		90L
SPEED		
SYNCHRONOUS	(rpm)	3000
FULL LOAD	(rpm)	2900
CURRENT		
FULL LOAD	(Amps)	4.4
LOCKED ROTOR	%	909
TORQUE		
FULL LOAD TORQUE	(Nm)	7.2
STARTING TORQUE	%	340
MINIMUM TORQUE	%	295
BREAKDOWN TORQUE	%	405
ROTOR INERTIA (J = GD <sup>2</sup> /4)	(Kgm <sup>2</sup> )	0.0035
EFFICIENCY		
100% LOAD	%	87
75% LOAD	%	87
50% LOAD	%	85
POWER FACTOR		
100% LOAD	%	80
75% LOAD	%	72
50% LOAD	%	58
INSULATION CLASS		F
ENCLOSURE TYPE		TEFC
IP RATING		56
WEIGHT OF MOTOR	kgs	42
BEARINGS		
DRIVE END		6205 ZZ C3
NON DRIVE END		6205 ZZ C3
NO LOAD SOUND PRESSURE LEVEL @ 1M	dbA	55
DESIGN STANDARD		BS4999, IEC60034, IEC60079-1:2014, IEC60079-0:2011
CERTIFICATION		Ex db, IIB, T4, Gb and Ex db, I, Mb both -20°C < Tamb < 55°C
TEMPERATURE RISE ABOVE AMBIENT		< 80 DEG C